

## COASTAL IMPACT ASSISTANCE PROGRAM (CIAP)

(05-05-06)

**Project Title:** **Big Mar Diversion Channel**

**Entity Nominating Project:** Moss et al

**Contact Information:** Agent: Robert Schroeder & Richard G. Leonhard  
C. H. Fenstermaker & Associates, Inc.  
1100 Poydras Street, Suite 1550  
New Orleans, Louisiana 70163  
504-582-2201 (office phone)

Landowner Representative: Howard Calhoun, Land Manager  
Moss et al  
985-809-6323 (office phone)

**Total CIAP Requested Funds:** \$172,778

**Infrastructure Funds :** -0-

**Description & Location:** The proposed activity is position in Sections 27, 32 and 33, T14S-R13E, Plaquemines Parish, Louisiana. The activity is a small diversion within the area commonly known as the Big Mar. The purpose of the Big Mar Diversion is to re-distribute a portion of the freshwater southwest to the previously authorized Caernarvon Diversion Outfall Management Program.

This project has the approval of the landowners and there are no administratively or ecologically sensitive concerns in the vicinity including oyster leases. Upon funding, design and permitting this activity would be ready to commence.

**Project Type:** The project is a conservation activity by nature restoring and protecting coastal wetlands and hydrologic resources, while mitigating adverse impacts to fish, wildlife and the natural resources as well as preserving the rich cultural heritage of the region. This project would be in union with a previously implemented and approved marine, coastal comprehensive conservation management plan and the Caernavon Diversion Project. (Project Types 1, 2 & 4)

**Project Justification:** Due to siltation caused by the diversion flow through the Big Mar, the diverted freshwater is presently channeled southeasterly through Bayou Mandeville and into Lake Lery. As a result, much of the potential benefits from the Caernavon Division

Project are being lost, the wetland ecosystem located south and southwest of the outfall continues to deteriorate. By creating an artificial diversion within the Big Mar, the freshwater from the project would be better distributed potentially allowing for greater flow through the diversion siphons. A greater flow through the diversion project would provide an opportunity to maximize the potential for the system as designed. Should this project be approved it would compliment the previously authorized Caernarvon Diversion Outfall Management Program (BS-03a). The project as proposed will create 16.76 acres of wetlands (8.84 herbaceous & 7.92 woody) resulting from the channel construction and positively benefit approximately 10,000 additional acres.

**Project Cost Share:**

-0-



**SHEET 1 OF 3 SHEETS**

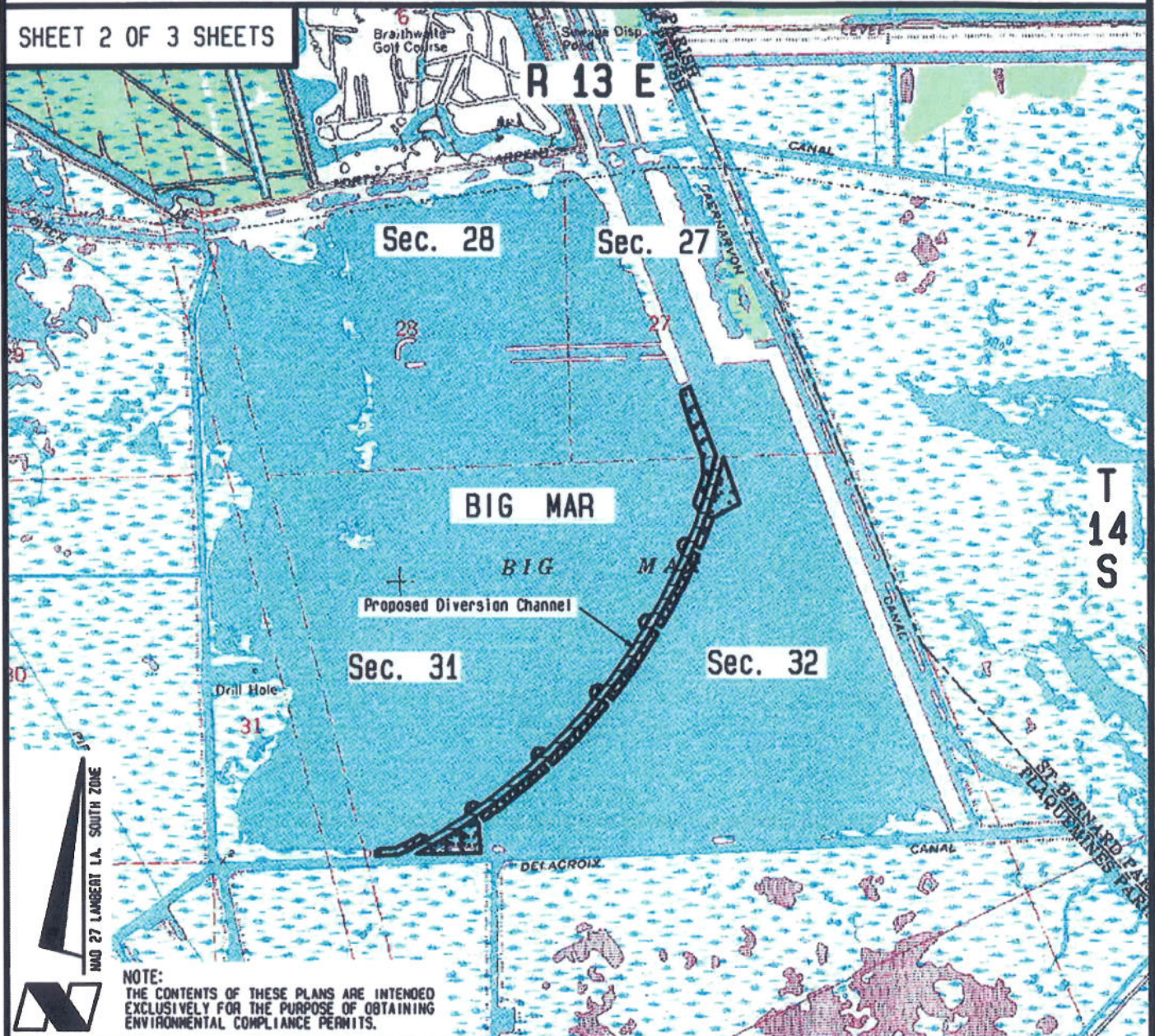
**ST BERNARD PARISH**  
**ORLEANS PARISH**  
**NEW ORLEANS**  
**BELLE CHASSE STATE SCHOOL**  
**U.S. COAST GUARD RADIO STATION**  
**AREA OF PROPOSED WORK**  
**R 12 E**  
**R 13 E**  
**R 14 E**  
**T 14 S**  
**T 15 S**  
**LA SOUTH ZONE**  
**NOTE:**  
THE CONTENTS OF THESE PLANS ARE INTENDED EXCLUSIVELY FOR THE PURPOSE OF OBTAINING ENVIRONMENTAL COMPLIANCE PERMITS

Drawn By: DKP  
Proj. Mgr.: ALL

PREPARED BY: C. H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana & Houston, Texas



SHEET 2 OF 3 SHEETS



REVISED

Topography obtained from U.S. Geological  
Survey Quadrangle "BELLE CHASSE, LA"  
1966 Edition, Revised 1994

VICINITY MAP

Scale: 1" = 2000'

Application By:

COASTAL IMPACT ASSISTANCE PROGRAM

May 10, 2006

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I:/infocad/pcx/usgs/la/drg/south 7

## PROPOSED DIVERSION CHANNEL

*Big Mar*

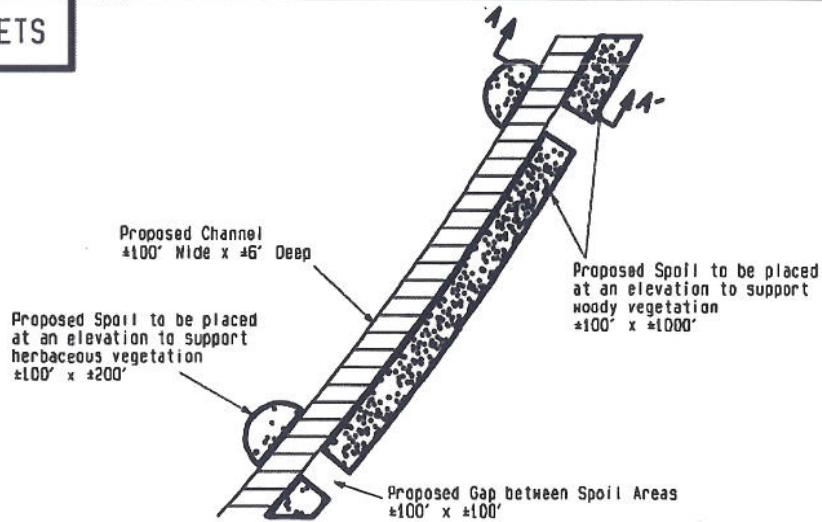
Sections 27, 32 & 33, T14S-R13E

Plaquemines Parish, Louisiana

PREPARED BY: C.H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana, & Houston, Texas

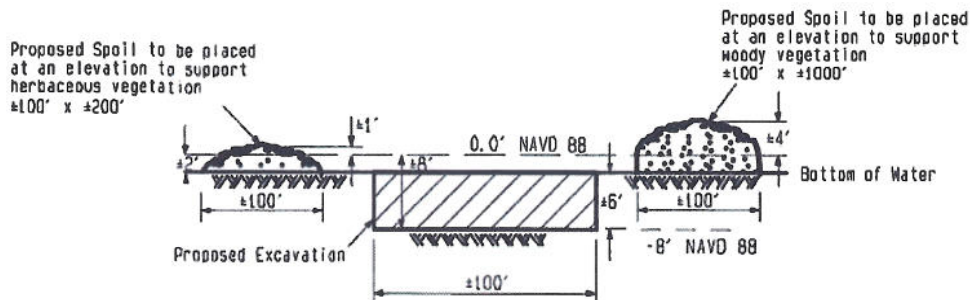


SHEET 3 OF 3 SHEETS



DETAIL OF PROPOSED CHANNEL

No Scale



CROSS SECTION "A-A" OF PROPOSED CHANNEL

No Scale

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ENVIRONMENTAL COMPLIANCE PERMITS.

REVISED:

Topography obtained from U.S. Geological  
Survey Quadrangle "BELLE CHASSE, LA."  
1966 Edition, Revised 1994.

Application By:

COASTAL IMPACT ASSISTANCE PROGRAM

May 10, 2006

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i:/infocad/pcx/usgs/1a/drg/south 7

**PROPOSED DIVERSION CHANNEL**

*Big Mar*

Sections 27, 32 & 33 T148-R13E

Plaquemine Parish, Louisiana

PREPARED BY: C. H. Fenstermaker & Associates, Inc., Lafayette & New Orleans, Louisiana, & Houston, Texas



BELLE CHASSE QUADRANGLE  
LOUISIANA  
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SW 1/4 ST. BERNARD 15' QUADRANGLE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY





CAERNARVON  
OUT FALL  
CANAL

